

Philosophy 109, Modern Logic, Queens College
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The following problems are intended as an approximation of the second exam.

It is a bit longer, and a bit harder, than the actual exam.

The exam will consist of 9 derivations from premises, and one logical truth, to be proven using the methods of natural deduction.

You will be required to do at least one problem (of your choice) by each of the three methods:

- a) direct proof (the 'regular' method);
- b) conditional proof;
- c) indirect proof.

For the practice exam, do the first four problems without using conditional proof or indirect proof. There will be no requirement like this on the exam.

§7.4: III.7, 16, 31, 33;

§7.2: III. 7

§7.5: I.4, 15

§7.6: I.5, 6, 8

§7.7: 4, 11